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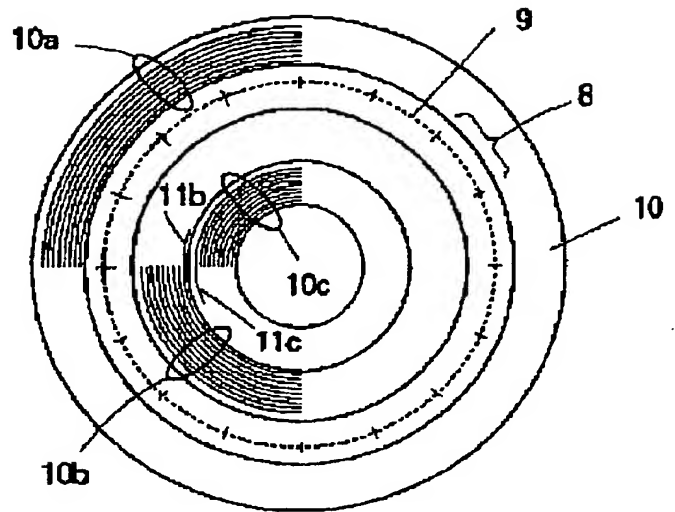
APPLICATION DATE : 24-09-93
APPLICATION NUMBER : 2000000133

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : OTOTAKE MASABUMI;

INT.CL. : G11B 20/12 G11B 7/007

TITLE : OPTICAL DISK DRIVING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To make simply and quickly obtainable the physical position of a target sector by finding the logical track address and the sector address corresponding to a linear logical address with an integer operation.

SOLUTION: Each physical track 9 corresponds to one rotation of an optical disk 2 and the track is divided into plural pieces of sectors 8. Plural lines of the physical tracks 9 are collected to form zones 10. Recording density is made to be roughly constant by rotatingly driving the disk 2 at a constant angular velocity while changing over clock frequencies in accordance with zones. A logical track is constituted of plural pieces of sectors 8. Since track addresses and sector addresses written in header parts correspond to linear addresses from a host device as they are, a logical track address and a logical sector address can be found from integer quotients and a remainder in the division of (a linear logical address)/(the number of sectors per one logical track). Thus, a table for an address conversion is unnecessitated.

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